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JUL 19 2010

Environmental
Cleanup Office

5129 N. Shirley St. Suite 100, Ruston, WA 98407

July 15, 2010

Mr. Kevin L. Rochlin
Remedial Project Manager
U.S. Environmental Protection Agency
Region 10
1200 Sixth Avenue, ECL-111
Seattle, WA 98101

RE: Monthly Report: No. 169, June 2010
Operable Unit No. 02 - Asarco Tacoma Smelter Site

Dear Mr. Rochlin:

Point Ruston is submitting this monthly report per the requirements of paragraph 48 of the Consent Decree for the above referenced site. Point Ruston will continue to provide monthly reports to EPA for the site organized in the same manner as previous reports prepared by Asarco to follow item (a) through (g) of this paragraph.

If you have any questions, please call me at (253) 752-2185, extension 218.

Sincerely,

Gary Pedersen
Chief Operations Manager

Attachment (2 copies)

cc: Chung Ki Yee - Washington Department of Ecology
Evan Griffiths - CH2MHill (2 copies)
Leslie Ann Rose - Citizens for a Healthy Bay

USEPA SF



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Monthly Report 169, June 2010
Operable Unit 02
Asarco Tacoma Smelter Site

A. Actions taken to achieve compliance with the Consent Decree during the previous month.

1. Met with EPA on June 17th and June 25th
2. Met with EPA at CH2M Hills Bellevue offices to discuss elements of the Sequence of Development and Occupancy Plan on June 17, 2010.
3. Continued weekly site-inspection reports (see attached).
4. Maintained clean work area and road.
5. Remedial Action activities continued.
6. Training activities include the following:
 - Site specific Safety Orientation (Clean Zone) was held for personnel of the following companies:
 - i. (1) EPA manager
 - ii. (2) US Army Corps of Engineers managers
 - iii. (1) Interwest Construction, Inc. worker
 - iv. (1) Northcon, Inc. worker
 - v. (2) Alutiiq LLC worker
 - vi. (2) HAI workers
 - vii. (2) LanPacific, Inc. worker
 - viii. (1) Saybr Contractors, Inc. worker
 - ix. (1) DH Environmental, Inc. worker
 - x. (1) Magnus Pacific worker
 - xi. (1) RDA Contracting worker
 - xii. (1) Doyon Construction Services worker
 - xiii. (2) K.E.I. workers
 - xiv. (2) Cherokee Construction Services workers
 - xv. (1) Sealaska Constructors, LLC worker
 - xvi. (1) Thermatech NW, Inc. worker
 - xvii. (3) Angayuk Construction Enterprises, Inc. workers
 - xviii. (1) Osborn Pacific Group, Inc. worker
 - xix. (1) Q2 Remediation Services, LLC worker
 - xx. (1) PI Resources, LLC worker
 - xxi. (1) PBS Engineering & Environmental worker
 - Site Specific Safety Orientation (Exclusion Zone) was held for personnel of the following companies:
 - i. (1) Diamond Concrete worker
 - HAZWOPER 24-hr training was held for personnel of the following companies:
 - i. (2) W.E. Coates workers
 - HAZWOPER annual refresher was held for personnel of the following companies:
 - i. (3) W.E. Coates workers

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B. Summary of sampling, tests and all other data received or generated by Point Ruston in the previous month.

1. Outfall activities including the following:

Section 2.3 of the Final Statement of Work (SOW) for Remedial Design and Remedial Action – Exhibit F to the Second Amendment requires Point Ruston to continue outfall monitoring. Outfalls will be monitored to determine if the monthly average surface water outfall concentrations for arsenic, copper, and zinc exceed 0.5 ppm at the North and South site outfalls until they are abandoned.

Weekly composite samples will be collected at each outfall during the construction season. During the winter season, outfall samples will be collected every other month. Asarco began the following schedule in May of 2003 which Point Ruston will continue to implement: weekly composite samples will be collected from May-October, and in December, February, and April.

In addition to the North and South Outfalls, Point Ruston resumed monitoring of an existing, upland station near the southeastern end of the car tunnel. This monitoring station is designated OSW2. Samples were collected by Point Ruston on June 7th, 14th, 21st, and 28th.

2. Point Ruston collects OCF leachate in a 5,000-gallon polyethylene tank for offsite shipment and disposal. LCRS and LDCRS volumes are monitored weekly in accordance with the draft OCF OMMP. LCRS volumes currently average approximately 117 gallons per day on the LCRS (see attached correspondence and data). Results from the leachate samples are attached (5.8ppm). Shipment pending.
3. Point Ruston performs perimeter air monitoring at three locations on the site: NW Corner of OCF, OCF Vault #1 (upper vault), and at the South Gate. Results for samples collected during June are pending laboratory analysis. Results will be submitted with the July, 2010 monthly report.
4. Point Ruston performs personal air monitoring in accordance with WAC 296-848-20060(1) & WAC 296-155-17609(1)(a) to determine if the airborne concentrations of arsenic and lead exceed the PEL. No Personal air monitoring was required on site in June.

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C. *Work Plans and other deliverables completed and submitted during the previous month.*

1. Plans and Documents included the following:

- Point Ruston received conditional approvals from the City of Tacoma/Town of Ruston on the LID project for the work associated with the Master Infrastructure CMP.
- Point Ruston received approval of the Construction Management Plan, Master Infrastructure from EPA on June 21, 2010

2. Remedial Action included the following tasks:

- OCF construction activities:
 - Maintained leachate collection system.
- Stack Hill construction activities:
 - Maintained erosion and surface water controls; specifically on Commercial Street cul-de-sac area.
 - Maintained site perimeter fence and signage at the north end of Stack Hill.
- Site-wide remediation/redevelopment activities:
 - Continued surface water controls
 - Maintained onsite haul roads and stockpiles
 - Maintained erosion and surface water controls
 - Continued site-wise dust monitoring and control through site and access road watering
 - Continued air-monitoring program per CH&SP
 -

D. *Actions scheduled for the next six weeks.*

1. Continue construction of public infrastructure.
2. Conduct pre construction meeting and obtain permit from the City of Tacoma and Town of Ruston for the Sanitary Sewer and Water portions of the Master Infrastructure CMP.
3. Conduct pre construction meeting with EPA in accordance with the Consent Decree for the Sanitary Sewer and Water portions of the Master Infrastructure CMP.
4. Conduct sampling per the BNSF Quit Claim Soils Sampling and Analysis Plan

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5. Obtain final approval from the Town of Ruston and the City of Tacoma for the road portion of the Master Infrastructure/LID project
6. Address EPA comments received on the Phase I CMP
7. Address comments from the June 17, 2010 meeting regarding Occupancy Plan Development, and submit a proposal for a Temporary Cap in compliance with the Consent Decree.
8. Respond to EPA comments on the Operation, Maintenance and Monitoring Plan
9. Response to EPA comments regarding the Point Ruston CC&Rs
10. Begin mobilizing DNR's contractor to the site to begin the demolition of the Asarco docks project.
11. The following Remedial Action tasks are planned to continue:
 - RA Monitoring:**
 - a. Outfall sampling (weekly composite samples) during scheduled months
 - b. Air monitoring during remedial action activities
 - OCF OMMP activities:**
 - a. Continue collection of leachate for offsite disposal
 - b. Continue monitoring of leachate volumes
 - Stack Hill construction activities:**
 - a. Erosion controls and site maintenance
 - b. Continue home construction
 - c. Begin face cap installation
 - Site-wide construction activities:**
 - a. Continue surface water controls
 - b. Maintain roads and stockpiles onsite
 - c. Maintain erosion controls
 - d. Construction activities for mass grading and Master Infrastructure

E. Percentage completion, unresolved delays encountered or anticipated that may affect schedule, and efforts to mitigate delays.

1. Point Ruston is continuing to work with the City of Tacoma & Town of Ruston to secure permits associated with the Master Infrastructure CMP and Phase I CMP.
2. Point Ruston is coordinating with BNSF to secure a quit claim deed for the area adjacent to Ruston Way

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F. Modifications to work plans or schedules proposed to or approved by EPA.

1. The Second Amendment to the Consent Decree was finalized and the sale of the property to Point Ruston LLC completed on October 31, 2006.
2. Point Ruston submitted a Request for Schedule Modification to Attachment 1 of the Final Statement of Work on February 9, 2010 and has been in continuing discussions with EPA over the proposed schedule modification.

G. Activities undertaken to support Community Relations Plan during the previous month and planned for the next four weeks.

1. Point Ruston continues to work in conjunction with staff from the Town of Ruston and City of Tacoma regarding development plans, which incorporate remediation components for the site.
2. Point Ruston continues to work with MetroParks to incorporate the capping component into the Peninsula Park design, pursuant to the Memorandum of Agreement between Point Ruston, LLC and MetroParks regarding the design and remediation plan for Breakwater Peninsula. Point Ruston met with members of the Peninsula Park Joint Planning group in June.
3. Point Ruston continues to meet with the Town of Ruston, City of Tacoma and MetroParks to address operation, maintenance, and monitoring issues at the site.
4. Point Ruston has been actively working with the Washington Dept. of Natural Resources on Asarco docks demolition project. The 3 docks are scheduled to be removed during this season's "fish window". Point Ruston and DNR also are actively engaged in plans to armor certain portions of the shoreline, per the EPA approved design.



Weekly Site Inspection Report No. 2010-0530
 Week of 5/30 - 6/5, 2010 Inspector _____
 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Gates: 51 st St						
North (electric)	(G)	F	P	Y	(N)	
South (electric)	(G)	F	P	Y	(N)	
Pond	(G)	F	P	Y	(N)	
Peninsula	(G)	F	P	Y	(N)	
(Other) 54m ₂ EAST	(G)	F	P	Y	(N)	
Signage:						
Gates	(G)	F	P	Y	(N)	
Perimeter	(G)	F	P	Y	(N)	
Safety	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	(G)	F	P	Y	(N)	
51 st & Gallagher	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
BMPs:						
Berms	(G)	F	P	Y	(N)	
Waddles	(G)	F	P	Y	(N)	
Silt Fence	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
Stockpiles:						
Envirotac II	(G)	F	P	Y	(N)	
Plastic	(G)	F	P	Y	(N)	
Packed	(G)	F	P	Y	(N)	
Grass	G	F	P	Y	N	
Dust:						
Traffic areas	(G)	F	P	Y	(N)	
Excavation area	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	(G)	F	P	Y	(N)	SEE NOTES.
Zone Separation	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	

Weekly Site Inspection Report No. 2010-0530
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Docks:						
Barriers	(G)	F	P	Y	(N)	
Signs	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Cameras:						
<u>Stack Hill</u>	(G)	F	P	Y	(N)	
<u>Lower Site</u>	G	(F)	P	(Y)	N	
	G	F	P	Y	N	
Health & Safety Plans:						<u>V. 5 UNDER REVIEW - AWAITING COMMENTS</u>
Site Superintendant	G	F	P	Y	N	
Construction Super.	G	F	P	Y	N	
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: WORKING WITH COMMENCEMENT CONDOS TO GET CONSTRUCTION MATERIALS + DEBRIS MOVED OF P.R. PROPERTY SO FENCE CAN BE MOVED BACK TO PROPERTY LINE. TO BE COMPLETED BY 6/18/10.

WEATHER:

Day of Week	LOW/HIGH	Summary of Weather Conditions
Sunday 30	43/57	SE WIND 3MPH/GUST 4MPH, NO PRECIPITATION
Monday 31	52/11	SW WIND 6MPH/GUST 8MPH, PRECIP. MORN. 3 AFTER. .05"
Tuesday 6/1	50/65	SW WIND 5MPH/GUST 16MPH, PRECIP. LATE EVE 0.08"
Wednesday 2	50/60	SW WIND 7MPH/GUST 11MPH, PRECIP. SCATTERED 0.2"
Thursday 3	45/64	SW WIND 5MPH/GUST 7MPH, NO PRECIPITATION
Friday 4	49/67	SW WIND 6MPH/GUST 8MPH, PRECIP. MORN. 0.08"
Saturday 5	50/68	NE WIND 4MPH/GUST 5MPH, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 6/7/10

SIGNED: [Signature]

Title/Qualification of Inspector: CONSTRUCTION OVERSIGHT / HEALTH + SAFETY



Weekly Site Inspection Report No. 2010-0000
Week of 6/6 - 12, 2010 Inspector TIM RUSHER
Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Gates:						
North (electric) ^{51st}	(G)	F	P	Y	(N)	
South (electric)	(G)	F	P	Y	(N)	
Pond	(G)	F	P	Y	(N)	
Peninsula	(G)	F	P	Y	(N)	
54th (Other) EW	(G)	F	P	Y	(N)	
Signage:						
Gates	(G)	F	P	Y	(N)	
Perimeter	(G)	F	P	Y	(N)	
Safety	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	(G)	F	P	Y	(N)	
51st & Gallagher	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
BMPs:						
Berms	(G)	F	P	Y	(N)	
Waddles	(G)	F	P	Y	(N)	
Silt Fence	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
Stockpiles:						
Envirotac II	(G)	F	P	Y	(N)	
Plastic	(G)	F	P	Y	(N)	
Packed	(G)	F	P	Y	(N)	
Grass	G	F	P	Y	N	
Dust:						
Traffic areas	(G)	F	P	Y	(N)	
Excavation area	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	(G)	F	P	Y	(N)	
Zone Separation	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	

Weekly Site Inspection Report No. 2010-0606
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Docks:						
Barriers	(G)	F	P	Y	(N)	
Signs	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Cameras:						
<u>STACK HILL</u>	(G)	F	P	Y	(N)	
<u>LOWDR SITE</u>	G	F	P	(Y)	N	
	G	F	P	Y	N	
Health & Safety Plans:						
Site Superintendant	G	F	P	Y	N	<u>CURRENTLY BEING REVIEWED (V.S)</u>
Construction Super.	G	F	P	Y	N	
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes:

WEATHER:

Day of Week	LOW/HIGH	Summary of Weather Conditions
Sunday 6	54/63	W WIND 4MPH/GUST 6MPH, PRECIP. MORN. 0.12"
Monday 7	54/71	SW WIND 6MPH/GUST 8MPH, NO PRECIPITATION
Tuesday 8	50/70	NE WIND 5MPH/GUST 8MPH, NO PRECIPITATION
Wednesday 9	50/65	SW WIND 6MPH/GUST 8MPH, PRECIP. MORN. 0.3 EVE 1"
Thursday 10	50/66	SW WIND 8MPH/GUST 12MPH, NO PRECIPITATION
Friday 11	52/69	SW WIND 6MPH/GUST 8MPH, NO PRECIPITATION
Saturday 12	50/77	NE WIND 5MPH/GUST 6MPH, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 6/14/10

SIGNED: _____

Title/Qualification of Inspector: CONSTRUCTION OVERSIGHT / HEALTH & SAFETY OFFICER



Weekly Site Inspection Report No. 2010-0613
Week of 6/13-19, 2010 Inspector TIM RUSHER
Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Gates:						
51 st Street	(G)	F	P	Y	(N)	
South (electric)	(G)	F	P	Y	(N)	
Cooling Pond	(G)	F	P	Y	(N)	
Peninsula	(G)	F	P	Y	(N)	
54 th Street (electric)	(G)	F	P	Y	(N)	
Signage:						
Gates	(G)	F	P	Y	(N)	
Perimeter	(G)	F	P	Y	(N)	
Safety	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	(G)	F	P	Y	(N)	
51 st & Gallagher	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
BMPs:						
Berms	(G)	F	P	Y	(N)	
Waddles	(G)	F	P	Y	(N)	
Silt Fence	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
Stockpiles:						
Envirotac II	(G)	F	P	Y	(N)	
Plastic	(G)	F	P	Y	(N)	
Packed	(G)	F	P	Y	(N)	
Grass	(G)	F	P	Y	(N)	
Dust:						
Traffic areas	(G)	F	P	Y	(N)	
Excavation area	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	G	(F)	P	(Y)	N	SEE NOTES (*)
Zone Separation	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	

Weekly Site Inspection Report No. 2010-0613
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Docks:						
Barriers	(G)	F	P	Y	(N)	
Signs	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Cameras:						
Stack Hill	(G)	F	P	Y	(N)	
Lower Site	G	F	(P)	(Y)	N	
	G	F	P	Y	N	
Health & Safety Plans:						
Site Superintendant	G	F	P	Y	N	<u>UNDER REVIEW (v. 5)</u>
Construction Super.	G	F	P	Y	N	
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: 6/18/10 DURING CONSTRUCTION OF COMMENCEMENT THEY MOVED THE PERIMETER FENCE ENCRANCHING UP TO 15' ON P.R. PROPERTY. HAD THEM MOVE CONSTRUCTION MATERIALS AND RELOCATED FENCE ALONG VACATED BENNETT STREET BACK TO PROPERTY LINE. RELOCATED FENCE ALONG VACATED 52ND STREET AROUND UTILITY POLES & VAULTS SO TAC. POWER CAN ACCESS THEIR EQUIPMENT WITHOUT ENTERING FENCE.

WEATHER:

Day of Week	LOW/HIGH	Summary of Weather Conditions
Sunday 13	53/74	NNE WIND 5MPH/GUST 6MPH, NO PRECIPITATION
Monday 14	48/68	SW WIND 6MPH/GUST 8MPH, NO PRECIPITATION
Tuesday 15	48/65	SSW WIND 4MPH/GUST 8MPH, NO PRECIPITATION
Wednesday 16	49/65	SW WIND 5MPH/GUST 7MPH, PRECIP. MORN. 0.08"
Thursday 17	50/65	SW WIND 6MPH/GUST 8MPH, NO PRECIPITATION.
Friday 18	53/69	NE WIND 4MPH/GUST 5MPH, NO PRECIPITATION
Saturday 19	53/58	SSW WIND 6MPH/GUST 7MPH, PRECIP. AFTERNOON 0.11"

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: JUNE 21, 2010 SIGNED: 

TITLE / QUALIFICATION: Construction Oversight / Health & Safety Officer



Weekly Site Inspection Report No. **2010-0620**
 Week of **6/20 - 26, 2010** Inspector **TIM RUSHER**

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Gates:						
51 st Street	(G)	F	P	Y	(N)	
South (electric)	(G)	F	P	Y	(N)	
Cooling Pond	(G)	F	P	Y	(N)	
Peninsula	(G)	F	P	Y	(N)	
54 th Street (electric)	(G)	F	P	Y	(N)	
Signage:						
Gates	(G)	F	P	Y	(N)	
Perimeter	(G)	F	P	Y	(N)	
Safety	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	(G)	F	P	Y	(N)	
51 st & Gallagher	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
BMPs:						
Berms	(G)	F	P	Y	(N)	
Waddles	(G)	F	P	Y	(N)	
Silt Fence	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
Stockpiles:						
Envirotac II	(G)	F	P	Y	(N)	
Plastic	(G)	F	P	Y	(N)	
Packed	(G)	F	P	Y	(N)	
Grass	(G)	F	P	Y	(N)	
Dust:						
Traffic areas	(G)	F	P	Y	(N)	
Excavation area	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	(G)	F	P	Y	(N)	RELOCATED FENCE TO TIDELANDS @ S. END
Zone Separation	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	

Weekly Site Inspection Report No. 2010-0620
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Docks:						
Barriers	(G)	F	P	Y	(N)	
Signs	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Cameras:						
Stack Hill	(G)	F	P	Y	(N)	
Lower Site	G	F	(P)	(Y)	N	
	G	F	P	Y	N	
Health & Safety Plans:						<u>SUBMITTED FOR REVIEW (V.S)</u>
Site Superintendant	G	F	P	Y	N	
Construction Super.	G	F	P	Y	N	
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes:	<u>FENCE AT S. END OF PROPERTY WAS RELOCATED TO THE TIDELANDS SIMILAR TO ASARCO'S PREVIOUS LOCATION, TO PREVENT PERSONS FROM ACCESSING SITE AT LOW TIDES FROM THE BEACH. ADDED SIGNAGE TO CLARIFY THAT "TIDELANDS" ARE ALSO "PRIVATE PROPERTY", "NO TRESPASSING."</u>
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WEATHER:

Day of Week	LOW/HIGH	Summary of Weather Conditions
Sunday 20	53/58	SSW WIND 6MPH/GUST 7MPH, PRECIP. AFTERNOON 0.08"
Monday 21	52/65	S WIND 5MPH/GUST 7MPH, NO PRECIPITATION
Tuesday 22	53/72	NE WIND 4MPH/GUST 6MPH, NO PRECIPITATION
Wednesday 23	56/80	NE WIND 4MPH/GUST 6MPH, NO PRECIPITATION
Thursday 24	56/79	SW WIND 6MPH/GUST 8MPH, NO PRECIPITATION
Friday 25	56/69	SSW WIND 7MPH/GUST 8MPH, NO PRECIPITATION
Saturday 26	53/71	SW WIND 6MPH/GUST 8MPH, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: JUNE 28, 2010

SIGNED: 

TITLE / QUALIFICATION: Construction Oversight / Health & Safety Officer



Weekly Site Inspection Report No. 2010-0627
Week of 6/27-7/3, 2010 Inspector TIM RUSHER
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
	G	F	P	Y	N	
Gates:						
51 st Street	(G)	F	P	Y	(N)	SEE NOTES (*)
South (electric)	(G)	F	P	Y	(N)	
Cooling Pond	(G)	F	P	Y	(N)	
Peninsula	(G)	F	P	Y	(N)	
54 th Street (electric)	(G)	F	P	Y	(N)	
Signage:						
Gates	(G)	F	P	Y	(N)	
Perimeter	(G)	F	P	Y	(N)	
Safety	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	(G)	F	P	Y	(N)	
51 st & Gallagher	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
BMPs:						
Berms	(G)	F	P	Y	(N)	
Waddles	(G)	F	P	Y	(N)	
Silt Fence	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
Stockpiles:						
Envirotac II	(G)	F	P	Y	(N)	
Plastic	(G)	F	P	Y	(N)	
Packed	(G)	F	P	Y	(N)	
Grass	(G)	F	P	Y	(N)	
Dust:						
Traffic areas	(G)	(F)	P	Y	(N)	WATERING ROADS & WORK AREAS AS NEEDED.
Excavation area	(G)	(F)	P	Y	(N)	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	(G)	F	P	Y	(N)	
Zone Separation	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	

Weekly Site Inspection Report No. 2010-0627
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Docks:						
Barriers	(G)	F	P	Y	(N)	
Signs	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Cameras:						
Stack Hill	(G)	F	P	Y	(N)	
Lower Site	G	F	(P)	(Y)	N	
	G	F	P	Y	N	
Health & Safety Plans:						STILL UNDER REVIEW (V.S)
Site Superintendant	G	F	P	Y	N	
Construction Super.	G	F	P	Y	N	
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: ON 6/25/10 FOUND THE 51ST ST. GATE PUSHED INWARD BUT STILL LOCKED & CLOSED. APPEARED THAT A VEHICLE HAD GENTLY PUSHED INTO THE GATE LEAVING BLACK PAINT TRANSFER TIRE TRACKS IN GRAVEL SUPPORTED OBSERVATIONS. (NO FURTHER ACTION)

WEATHER:

Day of Week	LOW/HIGH	Summary of Weather Conditions
Sunday 27	52/74	SW WIND 5MPH/GUST 6 MPH, NO PRECIPITATION
Monday 28	55/74	SW WIND 5MPH/GUST 7MPH, NO PRECIPITATION
Tuesday 29	50/70	SSW WIND 6MPH/GUST 8MPH, NO PRECIPITATION
Wednesday 30	47/67	S WIND 5MPH/GUST 6MPH, NO PRECIPITATION
Thursday 7/1	53/68	SSW WIND 5MPH/GUST 6MPH, NO PRECIPITATION
Friday 2	53/68	S WIND 2MPH/GUST 3MPH, PRECIP. MORN. 1.6"
Saturday 3	51/70	SSW WIND 3MPH/GUST 3MPH, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: July 4, 2010

SIGNED: 

TITLE / QUALIFICATION: Construction Oversight / Health & Safety Officer

Table 1. Summary of June 2010 Outfall Data for As, Cu, and Zn Compared to SOW Limit

Location	As Conc. ppm	% of SOW Limit*	Cu Conc. ppm	% of SOW Limit*	Zn Conc. ppm	% of SOW Limit*
South Outfall	0.056	11.20%	0.010	2.00%	0.008	1.50%
OSW2	0.052	10.30%	0.008	1.50%	0.000	0.00%
North Outfall	0.017	3.45%	0.010	2.00%	0.005	1.00%

* 0.5 ppm is the limit of As, Cu, and Zn allowed as documented in the SOW.

ANALYTICAL SUMMARY REPORT

July 07, 2010

Point Ruston LLC
5219 N Shirley St Ste 100
Ruston, WA 98407-6599

Workorder No.: B10062677

Project Name: Tacoma Smelter Outfall Samples

Energy Laboratories Inc received the following 12 samples for Point Ruston LLC on 6/29/2010 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B10062677-001	TSM0610407, North	06/07/10 11:47	06/29/10	Aqueous	Metals by ICP/ICPMS, Total Metals Preparation by EPA 200.2
B10062677-002	TSM0610107, South	06/07/10 11:23	06/29/10	Aqueous	Same As Above
B10062677-003	TSM0610207, OSW	06/07/10 11:24	06/29/10	Aqueous	Same As Above
B10062677-004	TSM0610414, North	06/14/10 10:59	06/29/10	Aqueous	Same As Above
B10062677-005	TSM0610114, South	06/14/10 10:44	06/29/10	Aqueous	Same As Above
B10062677-006	TSM0610214, OSW	06/14/10 10:45	06/29/10	Aqueous	Same As Above
B10062677-007	TSM0610421, North	06/21/10 9:10	06/29/10	Aqueous	Same As Above
B10062677-008	TSM0610121, South	06/21/10 8:44	06/29/10	Aqueous	Same As Above
B10062677-009	TSM0610221, OSW	06/21/10 8:45	06/29/10	Aqueous	Same As Above
B10062677-010	TSM0610428, North	06/28/10 10:44	06/29/10	Aqueous	Same As Above
B10062677-011	TSM0610128, South	06/28/10 10:15	06/29/10	Aqueous	Same As Above
B10062677-012	TSM0610228, OSW	06/28/10 10:16	06/29/10	Aqueous	Same As Above

Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:


Technical Data Reviewer

Digitally signed by
Ruby L Stafford
Date: 2010.07.07 13:21:48 -06:00



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10062677-001
Client Sample ID: TSM0610407, North

Report Date: 07/07/10
Collection Date: 06/07/10 11:47
Date Received: 06/29/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.022	mg/L		0.005		E200.8	07/02/10 20:11 / tao
Copper	0.03	mg/L		0.01		E200.8	07/02/10 20:11 / tao
Zinc	0.02	mg/L		0.01		E200.8	07/02/10 20:11 / tao

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10062677-002
Client Sample ID: TSM0610107, South

Report Date: 07/07/10
Collection Date: 06/07/10 11:23
Date Received: 06/29/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.076	mg/L		0.005		E200.8	07/02/10 20:15 / tao
Copper	0.02	mg/L		0.01		E200.8	07/02/10 20:15 / tao
Zinc	0.02	mg/L		0.01		E200.8	07/02/10 20:15 / tao

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10062677-003
Client Sample ID: TSM0610207, OSW

Report Date: 07/07/10
Collection Date: 06/07/10 11:24
Date Received: 06/29/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.060	mg/L		0.005		E200.8	07/02/10 20:19 / tao
Copper	0.02	mg/L		0.01		E200.8	07/02/10 20:19 / tao
Zinc	ND	mg/L		0.01		E200.8	07/02/10 20:19 / tao

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10062677-004
Client Sample ID TSM0610414, North

Report Date: 07/07/10
Collection Date: 06/14/10 10:59
Date Received: 06/29/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.016	mg/L		0.005		E200.8	06/30/10 18:25 / jjw
Copper	ND	mg/L		0.01		E200.8	06/30/10 18:25 / jjw
Zinc	ND	mg/L		0.01		E200.8	07/01/10 17:40 / tao

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10062677-005
Client Sample ID: TSM0610114, South

Report Date: 07/07/10
Collection Date: 06/14/10 10:44
Date Received: 06/29/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.059	mg/L		0.005		E200.8	06/30/10 18:28 / jjw
Copper	0.01	mg/L		0.01		E200.8	06/30/10 18:28 / jjw
Zinc	ND	mg/L		0.01		E200.8	07/01/10 18:00 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10062677-006
Client Sample ID: TSM0610214, OSW

Report Date: 07/07/10
Collection Date: 06/14/10 10:45
Date Received: 06/29/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.044	mg/L		0.005		E200.8	06/30/10 18:44 / jjw
Copper	ND	mg/L		0.01		E200.8	06/30/10 18:44 / jjw
Zinc	ND	mg/L		0.01		E200.8	07/01/10 18:21 / tao

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10062677-007
Client Sample ID: TSM0610421, North

Report Date: 07/07/10
Collection Date: 06/21/10 09:10
Date Received: 06/29/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.015	mg/L		0.005		E200.8	07/02/10 20:23 / tao
Copper	ND	mg/L		0.01		E200.8	07/02/10 20:23 / tao
Zinc	ND	mg/L		0.01		E200.8	07/02/10 20:23 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10062677-008
Client Sample ID: TSM0610121, South

Report Date: 07/07/10
Collection Date: 06/21/10 08:44
Date Received: 06/29/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.042	mg/L		0.005		E200.8	06/30/10 18:47 / jjw
Copper	0.01	mg/L		0.01		E200.8	07/01/10 18:25 / tao
Zinc	0.01	mg/L		0.01		E200.8	07/01/10 18:25 / tao

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10062677-009
Client Sample ID: TSM0610221, OSW

Report Date: 07/07/10
Collection Date: 06/21/10 08:45
Date Received: 06/29/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.058	mg/L		0.005		E200.8	07/02/10 20:27 / tao
Copper	0.01	mg/L		0.01		E200.8	07/02/10 20:27 / tao
Zinc	ND	mg/L		0.01		E200.8	07/02/10 20:27 / tao

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10062677-010
Client Sample ID TSM0610428, North

Report Date: 07/07/10
Collection Date: 06/28/10 10:44
Date Received: 06/29/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.016	mg/L		0.005		E200.8	07/02/10 20:31 / tao
Copper	0.01	mg/L		0.01		E200.8	07/02/10 20:31 / tao
Zinc	ND	mg/L		0.01		E200.8	07/02/10 20:31 / tao

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10062677-011
Client Sample ID TSM0610128, South

Report Date: 07/07/10
Collection Date: 06/28/10 10:15
Date Received: 06/29/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.047	mg/L		0.005		E200.8	06/30/10 18:50 / jjw
Copper	ND	mg/L		0.01		E200.8	06/30/10 18:50 / jjw
Zinc	ND	mg/L		0.01		E200.8	07/01/10 18:29 / tao

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10062677-012
Client Sample ID: TSM0610228, OSW

Report Date: 07/07/10
Collection Date: 06/28/10 10:16
Date Received: 06/29/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.044	mg/L		0.005		E200.8	07/02/10 20:35 / tao
Copper	ND	mg/L		0.01		E200.8	07/02/10 20:35 / tao
Zinc	ND	mg/L		0.01		E200.8	07/02/10 20:35 / tao

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples

Report Date: 07/07/10
Work Order: B10062677

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Analytical Run: ICPMS202-B_100701A		
Sample ID: QCS - 100607A,100420A, Initial Calibration Verification Standard							07/01/10 13:54		
Copper	0.0512	mg/L	0.010	102	90	110			
Zinc	0.0536	mg/L	0.010	107	90	110			
Method: E200.8							Batch: R150036		
Sample ID: LFB Laboratory Fortified Blank							Run: ICPMS202-B_100701A 07/01/10 12:45		
Copper	0.0525	mg/L	0.010	105	85	115			
Zinc	0.0543	mg/L	0.010	107	85	115			
Sample ID: LRB Method Blank							Run: ICPMS202-B_100701A 07/01/10 14:35		
Copper	0.0002	mg/L	8E-05						
Zinc	0.0007	mg/L	0.0001						
Sample ID: B10062677-004AMS Sample Matrix Spike							Run: ICPMS202-B_100701A 07/01/10 17:44		
Copper	0.0626	mg/L	0.010	113	70	130			
Zinc	0.0583	mg/L	0.010	104	70	130			
Sample ID: B10062677-004AMSD Sample Matrix Spike Duplicate							Run: ICPMS202-B_100701A 07/01/10 17:48		
Copper	0.0623	mg/L	0.010	113	70	130	0.5	20	
Zinc	0.0578	mg/L	0.010	103	70	130	0.9	20	
Sample ID: B10062721-001AMS Sample Matrix Spike							Run: ICPMS202-B_100701A 07/01/10 18:57		
Copper	1.18	mg/L	0.010		70	130			A
Zinc	0.142	mg/L	0.010	104	70	130			
Sample ID: B10062721-001AMSD Sample Matrix Spike Duplicate							Run: ICPMS202-B_100701A 07/01/10 19:18		
Copper	1.18	mg/L	0.010		70	130	0.7	20	A
Zinc	0.141	mg/L	0.010	103	70	130	0.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples

Report Date: 07/07/10
Work Order: B10062677

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8					Analytical Run: ICPMS202-B_100702A				
Sample ID: QCS - 100607A,100420A, Initial Calibration Verification Standard					07/02/10 18:26				
Arsenic	0.0513	mg/L	0.0050	103	90	110			
Copper	0.0517	mg/L	0.010	103	90	110			
Zinc	0.0537	mg/L	0.010	107	90	110			
Method: E200.8					Batch: 47358				
Sample ID: MB-47358 Method Blank					Run: ICPMS202-B_100702A 07/02/10 20:03				
Arsenic	ND	mg/L	5E-05						
Copper	0.0002	mg/L	3E-05						
Zinc	ND	mg/L	0.0001						
Sample ID: LCS5-47358 Laboratory Control Sample					Run: ICPMS202-B_100702A 07/02/10 21:04				
Arsenic	0.494	mg/L	0.0050	99	85	115			
Copper	0.480	mg/L	0.010	96	85	115			
Zinc	0.509	mg/L	0.010	102	85	115			
Sample ID: B10062644-002BMS5 Sample Matrix Spike					Run: ICPMS202-B_100702A 07/02/10 21:07				
Arsenic	0.556	mg/L	0.0050	97	70	130			
Copper	0.486	mg/L	0.010	97	70	130			
Zinc	0.498	mg/L	0.010	99	70	130			
Sample ID: B10062644-002BMSD5 Sample Matrix Spike Duplicate					Run: ICPMS202-B_100702A 07/02/10 21:11				
Arsenic	0.569	mg/L	0.0050	100	70	130	2.4	20	
Copper	0.496	mg/L	0.010	99	70	130	2.1	20	
Zinc	0.510	mg/L	0.010	101	70	130	2.3	20	
Method: E200.8					Batch: R149954				
Sample ID: LRB Method Blank					Run: ICPMS203-B_100630A 06/30/10 14:27				
Arsenic	0.0001	mg/L	2E-05						
Copper	6E-05	mg/L	3E-05						
Sample ID: LFB Laboratory Fortified Blank					Run: ICPMS203-B_100630A 06/30/10 14:30				
Arsenic	0.0490	mg/L	0.0050	98	85	115			
Copper	0.0473	mg/L	0.010	94	85	115			
Sample ID: B10062726-001BMS Sample Matrix Spike					Run: ICPMS203-B_100630A 06/30/10 18:57				
Arsenic	0.0993	mg/L	0.0050	98	70	130			
Copper	0.0932	mg/L	0.010	89	70	130			
Sample ID: B10062726-001BMSD Sample Matrix Spike Duplicate					Run: ICPMS203-B_100630A 06/30/10 19:00				
Arsenic	0.101	mg/L	0.0050	100	70	130	2	20	
Copper	0.0942	mg/L	0.010	90	70	130	1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Workorder Receipt Checklist



B10062677

Login completed by: Darwin C. Miller

Date Received: 6/29/2010

Reviewed by: BL2000\kmcDonald

Received by: klb

Reviewed Date: 6/30/2010

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature:	20°C		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

Contact and Corrective Action Comments:

None

POINT RUSTON

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

PROJ. NO		PROJECT NAME				NO. OF CONTAINERS					REMARKS		
TACOMA SMELTER		OUT FALL SAMPLES											
SAMPLERS: (Signature)													
<i>[Signature]</i>													
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER								
6/7/10	NORTH	11:47	✓		TSM0610407	1	✓					810062677-001	
6/7/10	SOUTH	11:23	✓		TSM0610107	1	✓					-002 PLEASE E-MAIL	
6/7/10	OSW	11:24	✓		TSM0610207	1	✓					-003 RESULTS TO:	
6/14/10	NORTH	10:59	✓		TSM0610414	1	✓					-004 TIM@POINTRUSTON.COM	
6/14/10	SOUTH	10:44	✓		TSM0610114	1	✓					-005	
6/14/10	OSW	10:45	✓		TSM0610214	1	✓					-006	
6/21/10	NORTH	9:10	✓		TSM0610421	1	✓					-007	
6/21/10	SOUTH	8:44	✓		TSM0610121	1	✓					-008	
6/21/10	OSW	8:45	✓		TSM0610221	1	✓					-009	
6/28/10	NORTH	10:44	✓		TSM0610428	1	✓					-010	
6/28/10	SOUTH	10:15	✓		TSM0610128	1	✓					-011	
6/28/10	OSW	10:16	✓		TSM0610228	1	✓					-012	
Relinquished (Signature)						Date/Time		Received by: (Signature)		Lab		Shipped via: FedEx, UPS or Other	
<i>[Signature]</i>						6/28/10 FEDEX							
Relinquished (Signature)						Date/Time		Received by: (Signature)		Remarks			
Relinquished (Signature)						Date/Time		Received for Laboratory by: (Signature)		Date/Time		Enclosed:	
								<i>[Signature]</i>		6-24-10		<input type="checkbox"/> Parameter List with DTLs	
										FEDEX EXP		<input type="checkbox"/> Cover Letter	
										Split Samples:			
										[] Accepted [] Declined		Signature	



ENERGY LABORATORIES, INC. * 1120 S 27th St * PO Box 30916 * Billings, MT 59107-0916
Toll Free 800.735.4489 * 406.252.6325 * FAX 406.252.6069 * eli@energylab.com

ANALYTICAL SUMMARY REPORT

May 06, 2010

Tim Rusher

Point Ruston LLC

5219 N Shirley St Ste 100

Ruston, WA 98407-6599

MAY 10 2010

Workorder No.: B10050190

Project Name: Tacoma Smelter OCF Leachate Tank

Energy Laboratories Inc received the following 1 sample for Point Ruston LLC on 5/4/2010 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B10050190-001	TSM051003, Leachate	05/03/10 8:15	05/04/10	Aqueous	Metals by ICP, Total Metals Preparation by EPA 200.2

Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:

Cindy Rohrer
Inorganic Department Manager

Digitally signed by
Cindy Rohrer

Date: 2010.05.06 10:04:22 -06:00



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Toll Free 800.735.4489 * 406.252.6325 * FAX 406.252.6069 * eli@energylab.com

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter OCF Leachate Tank
Lab ID: B10050190-001
Client Sample ID TSM051003, Leachate

Report Date: 05/06/10
Collection Date: 05/03/10 08:15
Date Received: 05/04/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	5.8	mg/L		0.1		E200.7	05/05/10 22:44 / tao

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Point Ruston LLC

Report Date: 05/06/10

Project: Tacoma Smelter OCF Leachate Tank

Work Order: B10050190

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7		Analytical Run: ICP202-B_100505A							
Sample ID: ICV	Continuing Calibration Verification Standard								05/05/10 13:39
Arsenic	2.40	mg/L	0.10	96	95	105			
Method: E200.7		Batch: 46129							
Sample ID: MB-46129	Method Blank								05/05/10 21:40
Arsenic	ND	mg/L	0.04						
Sample ID: LCS5-46129	Laboratory Control Sample								05/05/10 21:44
Arsenic	0.532	mg/L	0.038	106	85	115			
Sample ID: B10050024-001BMS5	Sample Matrix Spike								05/05/10 22:08
Arsenic	0.531	mg/L	0.076	106	70	130			
Sample ID: B10050024-001BMSD5	Sample Matrix Spike Duplicate								05/05/10 22:12
Arsenic	0.535	mg/L	0.076	107	70	130	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



Workorder Receipt Checklist



B10050190

Login completed by: Darwin C. Miller

Date Received: 5/4/2010

Reviewed by: BL2000\kmcDonald

Received by: klb

Reviewed Date: 5/4/2010

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature:	12°C		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

Contact and Corrective Action Comments:

None

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083